



original to Joe
copy to Sw Amin / B. Johnston

Crompton Manufacturing Co. Inc.
A Chemtura Company
P.O. Box 397
36191 Highway 30
Geismar, LA 70734
225-673-8871 tel

MAILED

March 31, 2006

CERTIFIED MAIL
7004 0750 0003 0910 5911

Louisiana Department of Environmental Quality
Office of Environmental Services
P.O. Box 4313
Baton Rouge, LA 70821-4313

Re: Chemtura USA Corporation, AI #1433
Emission Reduction Credit Bank Application

Gentlemen:

Chemtura USA Corporation (Chemtura) is submitting the attached Emission Reduction Credit Bank Application. Emission reductions for NO_x and VOC were realized as part of the permanent shut down of the UBOB II Unit in March 2005. Emission sources affected by the shut down are permitted in permits 1899 (M-1) and 1186c (M-1).

The emissions requested to be banked are based on actual emissions for the baseline period April 2003 through March 2005, which corresponds to the two-year period preceding the shut down of the UBOB II Unit. It should be noted that equipment in the UBOB Unit is not subject to the NO_x RACT requirements of LAC 33:III. Chapter 22. NO_x is process generated and is not the result of combustion of fuel.

If you have any questions, or need additional information, please feel free to contact me at (225) 673-0783.

Yours truly,
Chemtura USA Corporation

Keith Gordon
Environmental Manager

Enclosures
File #1.1.6.3

2006 APR -4 PM 1:18
LAC 33:III. Chapter 22

Department of Environmental Quality
Office of Environmental Services
Air Permits Division
P.O. Box 4313
Baton Rouge, LA 70821-4313
(225) 219-3181

LOUISIANA

ERC BANK APPLICATION

NO_x ☒ OR VOC ☒



COMPANY: Chemtura USA Corporation 1433
(Agency Interest No.)

FACILITY: Geismar Facility 1899 (M-1), 1186c (M-1)
(Permit No.)

LOCATION: Geismar Ascension
(City) (Parish)

36191 Hwy. 30
(Physical Location)

CONTACT: Keith Gordon Environmental Manager 225.673.0783
(Name) (Title) (Phone)

MAILING ADDRESS: P.O. Box 397 Geismar LA 70734
(Street or P.O. Box) (City) (State) (Zip Code)

see attached 03/27/05 2003/2004
(Affected EIQ Source ID(s)) (Date of Actual Emissions Decrease) (Baseline Period)

	NO _x (Chapter 22 only)		NO _x	VOC
ALLOWABLES BEFORE:			33.3	24.07
	(May 1 - September 30)	(October 1 - April 30)	(TPY)	(TPY)
AVG. ACTUAL EMISSIONS:			18.86	18.89
	(May 1 - September 30)	(October 1 - April 30)	(TPY)	(TPY)
CHAPTER 22 LIMIT:		N/A	N/A	N/A
	(May 1 - September 30)	(October 1 - April 30)	(TPY)	(TPY)
ALLOWABLES AFTER ¹ :			1.2	12.12
	(May 1 - September 30)	(October 1 - April 30)	(TPY)	(TPY)
CREDITABLE CHANGE:			17.66	5.39
	(May 1 - September 30)	(October 1 - April 30)	(TPY)	(TPY)

¹ Allowables should account for all applicable federal and state regulations, emissions limitations, compliance orders, consent decrees, etc. In the case of enforcement instruments, surplus reductions may be included as per the terms of the order or agreement. If no such terms are included, then the reductions are not surplus.

CREDIBILITY:

All applicable state and federal regulations that apply to the affected emission point(s) should be addressed in the cover letter to this document.

RESPONSIBLE OFFICIAL CERTIFICATION:

I hereby certify that the information contained in this ERC Bank Application and attached calculations is true and accurate to the best of my knowledge.

W. Keith Baggett Director-Manufacturing 225.673.8871
(Name) (Title) (Phone)

31 Mar 06
(Signature) (Date)

Chemtura USA Corporation
UBOB II Unit Shutdown
Emission Reduction Credits Summary

VOC

Source ID	Source Description	Permit (tpy)	Baseline ² (tpy)	Future Rate ³ (tpy)	ERC ⁴ (tpy)
195/196	UBOB II Vent Scrubber for Nitrosators, Atmospheric Still, & Vacuum Still	23.6	17.08	12.12	4.96
223	Causticizer Area Vent	0.01	0.52	0	0.01
228	NaTKB Transfer Pot	0.002	0.24	0	0.002
229	Causticizer Separator Vent	0.4	0.35	0	0.35
230	Causticizer Separator Vent	0.03	0.36	0	0.03
231	Causticizer Vent	0.03	0.33	0	0.03
Total VOC ERCs					5.39

NOx

Source ID	Source Description	Permit (tpy)	Baseline ² (tpy)	Future Rate ³ (tpy)	ERC ⁴ (tpy)
195/196	UBOB II Vent Scrubber for Nitrosators, Atmospheric Still, & Vacuum Still	24.3	12.26	1.2	11.06
207	UBOB II Rearranger Scrubber	9	6.60	0	6.60
Total NOx ERCs					17.66

Notes

- 1) Permit limits are based on permits 1899 (M-1) and 1186c (M-1) for the UBOB Units.
- 2) The baseline emissions were established from April 2003 to March 2005.
- 3) Future Rate is the potential emission rate the source will be operating at after the UBOB II Unit shut down.
- 4) For EPN 195/196, credits were based on the difference between the baseline and the future rates since this source was not shut down completely and will operate as part of UBOB I only in the future. Credits for other sources was taken as the lower of the permit limit or baseline emissions.

Chemtura USA Corporation
UBOB II Unit Shutdown
Emission Reduction Credits Summary

ERC VOC Speciation

Source ID: 195/196

Source Description: UBOB II Vent Scrubber for Nitrosators, Atmospheric Still, & Vacuum Still

Pollutant	wt %	ERC (tpy)
Total VOC	100.00%	4.96
Other non-speciated VOCs	0.00%	<0.01
Benzene	0.28%	0.01
Chloromethane	53.47%	2.65
Chlorobenzene	0.03%	<0.01
Methanol	0.00%	<0.01
Toluene	46.22%	2.29

Source ID: 223

Source Description: Causticizer Area Vent

Pollutant	wt %	ERC (tpy)
Total VOC	100.00%	0.01
Benzene	13.75%	<0.01
Toluene	86.04%	<0.01
Methanol	0.20%	<0.01

Source ID: 228

Source Description: NaTKB Transfer Pot

Pollutant	wt %	ERC (tpy)
Total VOC	100.00%	0.002
Toluene	81.01%	<0.01
Methanol	18.99%	<0.01

Source ID: 229

Source Description: Causticizer Separator Vent

Pollutant	wt %	ERC (tpy)
Total VOC	100.00%	0.35
Toluene	81.01%	0.29
Methanol	18.99%	0.07

Source ID: 230

Source Description: Causticizer Separator Vent

Pollutant	wt %	HRC (typ)
Total VOC	100.00%	0.03
Toluene	78.05%	0.02
Methanol	21.95%	<0.01

Source ID: 231

Source Description: Causticizer Vent

Pollutant	wt %	HRC (typ)
Total VOC	100.00%	0.03
Toluene	78.05%	0.02
Methanol	21.95%	<0.01